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IN THE CLAIMS:

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64. Canceled.

65. (Currently Amended) A vehicle occupant seat detection means and weight responsive classification system for a supplemental restraint system of a vehicle: comprising:

~~a weight sensing~~ at least one weight sensing unit being operatively secured ~~beneath at least a seat in said vehicle~~ between a seat mounting structure means and the floor means of a vehicle;

a computerized system communicatively connecting said weight sensing unit to a supplemental restraint system installed in said vehicle, said supplemental restraint system comprising at least one airbag system each said at least one airbag system having at least one airbag, each said airbag system corresponding to said one of said at least one seat;

said at least one ~~weight sensing~~ weight sensing unit being configured for taking weight measurements of at least ~~an~~ one seated occupant in said at least one seat, and comprising means for converting said weight measurements into one or more electrical signals, and communicating said electrical signals to said computerized system;

said computerized system programmably configured to calculate an operating weight value from said electrical signals corresponding to said weight measurements for each said at least one seated occupant and to communicate said operating weight value to said airbag system corresponding to said one of said at least one ~~seated occupant~~ seat;

each said airbag system being operatively configured with at least an accelerometer, said accelerometer comprises at least a coil being electronically configured for receiving said operating weight value for said seat and for adjusting a deployment unit within said airbag system to deploy said at least one airbag with a deployment force and acceleration for airbag inflation that are proportionate to said weight measurements;

said ~~computer~~ computerized system further comprises at least an erasable programmable read only memory "EPROM" operatively configured ~~with said computerized system~~ for monitoring the weight of at least a seated occupant and for correcting the weight of at least a changing occupant; and

said weight sensing unit ~~disposed between a seat mounting structure means and the floor means of a vehicle~~ responsive ~~for determining~~ to the actual weight of a seated occupant, wherein said airbag system is rendered of sufficient deployment force and acceleration for said airbag inflation to keep said seated occupant on the seat when a collision is sensed, but is not rendered of sufficient deployment force and acceleration for said airbag inflation to cause impact injury to the occupant.

66. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit ~~comprising~~ comprises at least a load cell.

67. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 66, wherein said load cell is configured with at least a strain gauge comprising electrical resistance elements for converting the applied force on the seat surfaces into ~~means responsive for generating~~ electrical energy ~~corresponding to said occupant's weight~~.

68. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said EPROM further ~~comprises means for controlling weight data about a changing occupant at an address line~~ configured for each said at least one seat and responsive ~~for effectively controlling the~~ to classification data for said at least one seated ~~a~~

~~vehicle~~ occupant.

69. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 68, wherein said EPROM further comprises ~~means for correcting said seat occupant's weight data at the address line when said data is influenced by at least an external force comprising of at least a bump and/or at least a transient pike~~ at least a emulator.

70. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim ~~68~~ 69, wherein said ~~address line~~ emulator being operative configured for each said at least one seat ~~comprising at least one occupant detection means~~, wherein said weight sensing unit further comprising occupant detection means ~~comprising means~~ being configured for sensing weight and for generating a weight signal corresponding to the weight of said at least one ~~a~~ seated occupant.

71. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 67, wherein said load cell being operatively configured with at least ~~a~~ said supplemental restraint system ~~device~~, the supplemental restraint system ~~device~~ being communicatively connected to said ~~computer~~ computerized system ~~comprising means~~ for adjusting the deployment force/speed of said supplemental restraint system ~~device~~ for said at leas one ~~an assigned~~ seat.

72. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim ~~70~~ 69, wherein said EPROM further comprising a header being communicatively connected to a circuit board, said circuit board being operatively configured with said emulator ~~address line further configured with means~~ for comparing identified weight data with the seated occupant's weight data, said ~~means~~ emulator generating at least a new data if said comparison is significantly different.

73. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 66, wherein said load cell ~~comprises at least one strain gauge each configured to sense a force applied to it, each said gauge comprising electrical resistance elements configured to detect and~~ being configured to measure resistance occurring when external strain is sensed on said at least one seat, ~~wherein said external strain corresponding to at least an applied force from said occupant's body on said seat,~~ and wherein said external strain being converted into corresponding electrical energy for communications.

74. (Currently Amended) The vehicle occupant seat detection means and weight responsive

classification system of claim 65, wherein said computerized system comprises a control module comprising a central processing unit, said control module ~~comprising means~~ being configured for identifying each seat for which said weight measurements are taken and for activating said airbag system corresponding to each said seat for which said weight measurement exceed a minimum weight threshold value generally corresponding to the weight of at least a small child.

75. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 74, wherein said minimum threshold value is at least 20 pound.

76. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 74, wherein said control module further configured to receive analog signals and converting said analog signals to digital signals corresponding to said occupant's weight.

77. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 76, wherein said control module further configured to convert said digital signals to binary signals corresponding to communication signals ~~for use with plurality of transistorized switches comprising said central processing unit~~ for communicating said operating weight value.

78. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 74, wherein said central processing unit ~~comprises~~ in communication with at least a read only memory, said read only memory being configured with a basic input-output system comprising at least a storage means, wherein said central processing unit further comprising at least a random access memory, and wherein said read only memory being operatively configured with a software program responsive to ~~for~~ said random access memory, said random access memory ~~responsive~~ being operatively configured for accessing said weight measurements and in communication with said ~~address line~~ EPROM.

79. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said deployment unit comprises a combustion chamber operatively connected to a canister of igniting gas, a microprocessor configured for receiving said operating weight value, said microprocessor electrically connected to ~~an~~ said accelerometer, said accelerometer further comprising at least a piezoelectric coil. ~~said accelerometer electrically~~ being communicatively connected to said canister and operatively connected to said combustion chamber.

80. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 79, ~~wherein said accelerometer communicatively connected to said~~

~~canister,~~ wherein said canister being configured with at least a microprocessor, said microprocessor being electrically connected to a gas release valve relay and an igniter, and wherein said gas release valve relay communicatively connected to a release valve being operatively connected to said canister for releasing proportionate amount of gas into said combustion chamber.

81. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 80, wherein said accelerometer comprises at least one piezoelectric crystal comprising at least a coil being wound on at least a mass, said crystal being operatively connected to ~~a~~ said mass, said mass being in contact with at least a spring, said spring being operatively connected to a sliding pot, said sliding pot operatively secured to said combustion chamber, wherein said sliding pot is being configured to adjust an opening in said combustion chamber for ~~expansion~~ the release of igniting gas into said at least one airbag.

82. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 79, wherein said microprocessor further configured to translate said operating weight value into ~~an electric~~ electrical energy, said electrical energy being operatively proportionate to said weight measurements, said electrical energy ~~responsive~~ being configured for energizing said at least one crystal, each said energized crystal ~~responsive~~ being configured for translating said electrical energy into mechanical energy, said mechanical energy ~~responsive for~~ displacing said mass and correspondingly compressing said spring, ~~and enabling~~ said sliding pot adjustment being responsive to said spring compression, and correspondingly proportional to said weight measurements.

83. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 80, wherein said accelerometer further configured to transmit a first signal corresponding to said operating weight value to said canister microprocessor, said canister microprocessor being configured to process said first signal and deliver to said gas release valve relay a second signal corresponding to a specific volume of gas to be released into said combustion chamber, said specific volume of gas further comprising the amount of said gas required to generate said deployment force and acceleration for said at least one airbag inflation being correspondingly proportionate to said weight measurements.

84. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 83, wherein said accelerometer comprises at least one piezoelectric crystal, each said one piezoelectric crystal being operatively connected to a mass in contact with a

spring, said spring operatively connected to a sliding pot being secured to said combustion chamber, said sliding pot being operatively configured to adjust an opening in said combustion chamber for the expansion of igniting gas into said at least one airbag~~, said specific volume of gas and said opening defined by said sliding pot are calibrated such that said deployment force and acceleration are enabled when said volume of gas is ignited, whereby said igniter ignites said gas~~ when a collision sensor senses a collision has occurred of a severity requiring airbag deployment.

85. (Original) The vehicle occupant seat detection means and weight responsive classification system of claim 65 further comprising a collision sensor operatively connected to said computerized system.

86. (Original) The vehicle occupant seat detection means and weight responsive classification system of claim 65 further comprising a collision sensor operatively connected to said deployment unit.

87. (Previously Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 85, wherein said collision sensor communicatively configured to initiate deployment of airbags in response to said collision severity threshold.

88. (Previously Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 87, wherein said collision severity threshold comprising at least a collision substantially equivalent to said vehicle traveling between about 10 m.p.h. and 15 m.p.h. and hitting a substantially rigid object.

89. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said computerized system being configured to store said weight measurements and to erase said weight measurements for said at least one seat when said occupant leaves said at least one seat and wherein a at least a new weight measurement is ~~enabled~~ being generated when said occupant or a new occupant occupies said seat.

90. Cancelled.

91. Cancelled.

92. Cancelled.

93. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit comprises a detection apparatus being operatively configured for ~~weight~~ measuring weight capacity of at least 1 pound.

94. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65 further comprising a signal amplifier, said signal amplifier being configured to amplify at least one of analog, digital, and binary signals within at least~~a~~ said

supplemental restraint system.

95. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65 further comprising a transient voltage suppressor communicatively connected to the computerized system, said suppressor being configured to filter out transient spikes for ~~wherein~~ preventing abnormal readings or communication signals ~~communications within the computerized system is enabled~~.

96. Cancelled.

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100. Cancelled.

101. Cancelled.

102. Cancelled.

103. Cancelled.

104. (Currently Submitted) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit further comprising sensors responsive to applied load ~~disposed between the floor means and the seat mounting structure means of the vehicle responsive for measuring at least the occupant's actual weight and enabling signal communication therefrom~~.

105. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit operatively configured with said computerized system ~~and communicatively connected to said airbag system responsive~~ for controlling the resistance of said supplemental restraint system ~~device, such that in an accident, an occupant of a vehicle impacts the device without injury.~~

106. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said computerized system further comprising means for calculating a restraint value of said supplemental restraint ~~device~~ system based upon at least the weight value of ~~the~~ said at least one seated occupant and/or at least a collision force value according to the vehicle speed.

107. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said supplemental restraint ~~device~~ system further ~~comprising~~

~~means~~ configured for controlling the airbag tension~~, wherein the airbag is rendered of sufficient tension to keep the occupant on the seat~~ when a collision is sensed~~, but is not rendered of sufficient tension to cause impact injury to the occupant~~.

108. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit further comprising means ~~for housing at least an electrical resistance means responsive~~ for converting said occupant's body weight into electrical energy.

109. (Currently Amended) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said weight sensing unit ~~means for housing said electrical resistance means~~ comprising at least a strain gauge being disposed in a load cell.

110. (Currently Submitted) The vehicle occupant seat detection means and weight responsive classification system of claim 65, wherein said load cell further ~~comprises~~ comprising at least a silicon substrate.